



## Level 1 Validation Certificate

This document verifies that the Level 1 Validation process was completed. The session details and audit review outcomes are included here.

*This certificate is required for submission – alongside the Level 1 validated water audit software file – to the California Department of Water Resources.*

**Call Date:** 8/30/2019

### Water Supplier

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Supplier Name: City of Fullerton

Supplier Participants: Gar Huang – Assistant Engineer

### Key Audit Metrics

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Data Validity Score:	70
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ILI:	0.67
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Real Loss:	11.65	gal / conn / day
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Apparent Loss:	13.87	gal / conn / day
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Non-Revenue Water as Percent of Cost of Operating System:	4.6%
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### Validator

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Validator:	Reinhard Sturm, Water Systems Optimization
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Validator Qualifications:	Water Audit Validator Certificate from the AWWA California Nevada Section
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### Certification Statement by Validator

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This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

*If not, rejected recommendations are included here.*

## Level 1 Validation – Water Supplier Confirmation

This document confirms participation in and endorsement of the Level 1 Validation as completed.

*This acknowledgement is required for submission – alongside your Level 1 validated water audit software file – to the California Department of Water Resources.*

Water Supplier Name:	City of Fullerton
Water Supplier Public Water System ID:	3010010
Water Audit Period:	CY2018


### Water Audit & Water Loss Improvement Steps

*Steps taken in the audit period timeframe to increase data source accuracy, reduce real losses, and/or reduce apparent losses, as informed by the water audit.*

- Small meter 15 year replacement program and large meter testing and repair program
- Capital Improvement Program to replace aging mains
- Maintenance Program for repairing water main break
- Annual testing of production meters

### Certification Statement by Water Supplier Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Executive Name (print):	Meg McWade
Executive Position:	Public Works Director
Signature:	
Date	9/11/19